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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 18, 2003, 15:26:51 ; Search time 12.6234 Seconds  
(without alignments)  
775.530 Million cell updates/sec

Title: US-09-807-933B-1  
Perfect score: 1836  
Sequence: 1 MKFITIASALLALATGTEM.....TYKEVTCPEITAKTGCSSRK 338

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep:\*  
  
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	761.5	41.5	306	4	US-09-189-060B-68 Sequence 68, Appl
2	756.5	41.2	299	2	US-08-872-437-2 Sequence 2, Appl
3	756.5	41.2	299	4	US-08-651-136C-12 Sequence 12, Appl
4	756.5	41.2	299	4	US-09-229-911A-12 Sequence 12, Appl
5	755.5	41.1	225	3	US-08-651-136C-2 Sequence 2, Appl
6	755.5	41.1	225	4	US-09-229-911A-2 Sequence 2, Appl
7	755.5	41.1	297	3	US-08-651-136C-4 Sequence 4, Appl
8	755.5	41.1	297	4	US-09-229-911A-4 Sequence 4, Appl
9	755.5	41.1	308	4	US-08-651-136C-6 Sequence 6, Appl
10	755.5	41.1	308	4	US-09-229-911A-6 Sequence 6, Appl
11	722	39.3	349	3	US-08-651-136C-10 Sequence 10, Appl
12	722	39.3	349	4	US-09-229-911A-10 Sequence 10, Appl
13	718	39.1	310	4	US-08-651-136C-22 Sequence 22, Appl
14	718	39.1	310	4	US-09-229-911A-22 Sequence 22, Appl
15	716.5	39.0	222	3	US-08-651-136C-14 Sequence 14, Appl
16	716.5	39.0	222	4	US-09-229-911A-14 Sequence 14, Appl
17	716.5	39.0	294	4	US-08-651-136C-24 Sequence 24, Appl
18	716.5	39.0	294	4	US-09-229-911A-24 Sequence 24, Appl
19	711.5	38.8	306	4	US-09-189-060B-66 Sequence 66, Appl
20	709.5	38.6	304	4	US-09-189-060B-72 Sequence 72, Appl
21	701	38.2	307	4	US-09-189-060B-74 Sequence 74, Appl
22	695.5	37.9	235	4	US-09-329-350-31 Sequence 31, Appl
23	694	37.8	376	1	US-08-090-013-4 Sequence 4, Appl
24	694	37.8	376	1	US-08-081-328-4 Sequence 4, Appl
25	694	37.8	376	1	US-08-332-249-4 Sequence 4, Appl
26	694	37.8	376	2	US-08-833-642A-4 Sequence 4, Appl
27	694	37.8	376	2	US-08-389-423-4 Sequence 4, Appl

28	694	37.8	376	4	US-09-230-665-4 Sequence 4, Appl
29	694	37.8	376	4	US-09-189-028-4 Sequence 4, Appl
30	692.5	37.7	308	4	US-09-189-060B-70 Sequence 70, Appl
31	689	37.5	286	4	US-09-254-733-3 Sequence 3, Appl
32	688.5	37.5	357	1	US-08-411-777-9 Sequence 9, Appl
33	688.5	37.5	357	3	US-09-057-088-9 Sequence 9, Appl
34	687	37.4	285	4	US-09-230-225B-6 Sequence 6, Appl
35	687	37.4	305	4	US-09-230-222-1 Sequence 1, Appl
36	680	37.0	234	4	US-09-230-665-6 Sequence 6, Appl
37	680	37.0	305	1	US-08-090-013-2 Sequence 2, Appl
38	680	37.0	305	1	US-08-081-328-2 Sequence 2, Appl
39	680	37.0	305	2	US-08-232-249-2 Sequence 2, Appl
40	680	37.0	305	2	US-08-921-426-8 Sequence 8, Appl
41	680	37.0	305	2	US-08-833-642A-2 Sequence 2, Appl
42	680	37.0	305	2	US-08-140-008A-4 Sequence 4, Appl
43	680	37.0	305	2	US-08-836-340-1 Sequence 1, Appl
44	680	37.0	305	2	US-08-389-423-2 Sequence 2, Appl
45	680	37.0	305	3	US-08-816-915-8 Sequence 8, Appl

## ALIGNMENTS

```
RESULT 1
US-09-189-060B-68
; Sequence 68, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
; APPLICANT: Dalboge, Henrik
; APPLICANT: Sandal, Thomas
; APPLICANT: Kauppinen, Markus
; APPLICANT: Borge, Diderichsen
; TITLE OF INVENTION: Method of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189, 060B
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Hybrid
US-09-189-060B-68

Query Match      41.5% Score 761.5; DB 4; Length 306;
Best Local Similarity 63.9%; Pred. No. 3.1e-53;
Matches 133; Conservative 29; Mismatches 39; Indels 7; Gaps 3;

QY 130 SGNQVTTTVMCCCKRASCWPGKAVSPPVSKCNDGVTALDSDNAGSCNGNSYMCNDN 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 23 AADGSTTYWCCCKRSCSWGDKASVAPVLTCDKND-NPISDANAVSCNGSTYTCSNN 81
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 QPMVANDMAYFAFAAAISGGESRWCSCFELFTFTSVAGKKWVVTNKGDLGSSST 249
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 82 SPMAVNDMLAIGFAATKLSGGSSESSMCACATLFTTTPVAKTMVVSINTGDLGEN- 140
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 250 GAHFDLQWPGGCGVGFNCCSSQWGAIPNDGMSRYGSISSADCSLPALQAGCKWRFNW 309
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 141 --HFDLQWPGGCGVGFNCCSSQWGLG--GAQYCGISRSRSDCSFPELLKDGCTWRYDW 195
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 310 FKNADNPSTYKEVTCPEITAKTGCSSR 337
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 196 FKNADNPSTYKEVTCPEITAKTGCSSR 223
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 2
US-08-872-437-2
; Sequence 2, Application US/08872437
; Patent No. 5958082
; GENERAL INFORMATION:
; APPLICANT: Lund, Henrik
```



## SEQUENCE CHARACTERISTICS:

LENGTH: 299 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
US-09-229-911A-12

Query Match 41.1%; Score 756.5; DB 4; Length 299;

Best Local Similarity 63.1%; Pred. No. 7.4e-53;

Matches 135; Conservative 30; Mismatches 40; Indels 9; Gaps 4;

QY 125 VSGASGNGVTRVYDCCASCSMPGKANVSSPVKSCNKGVTALSDSNAQSGCN 184

DB 18 VASASGSGSTRVYDCCASCSMPGKANVSPVAVACDAN-FQRLSDFRVQSGCN 76

QY 185 MCNDQPAVNDNLAYGPAALISGGGESRWCCSCPELTFTSTVAGKRVVQVNTGDD 244

DB 77 SCADQTPAVVNDNLAYGPAALISGGGESRWCCSCPELTFTSTVAGKRVVQVNTGDD 136

QY 245 LGSSTGAHPDLQMPGGVGIENGCSQWGA-PNDMGSRVGGISASDSSLPALQAGC 303

DB 137 LGSN--QPDLMFGGSGVIFNGCSSQFGGLP---GAQVGGISSRDQDSFPAPLKEGC 189

QY 304 KRFPMFKNADNPSTYKEVTCPEKITAKTGCSR 337

DB 190 QMRFPMFKNADNPSTYKEVTCPEKITAKTGCSR 223

## RESULT 5

US-08-651-136C-2

Sequence 2, Application US/08651136C

Patent No. 6001639

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

APPLICANT: Andersen, Lene N.

APPLICANT: Lassen, Soren F.

APPLICANT: Kaupplinen, Markus S.

APPLICANT: Lange, Lene

APPLICANT: Nielsen, Ruby I.

APPLICANT: Ihara, Michiko

APPLICANT: Takagi, Shinobu

TITLE OF INVENTION: No. 6001639e1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639ch America, Inc.

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136C

FILING DATE: 21-MAY-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 225 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

## US-08-651-136C-2

Query Match 41.1%; Score 755.5; DB 3; Length 225;

Best Local Similarity 61.2%; Pred. No. 6.3e-53;

Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;

QY 130 SGNVTRVYDCCASCSMPGKANVSSPVKSCNKGVTALSDSNAQSGCN-GNSYMCND 188

DB 21 SGIGTTVYDCCASCSMPGKANVSSPVAVACDAN-FQRLSDFRVQSGCN 79

QY 189 NOPAVNDNLAYGPAALISGGGESRWCCSCPELTFTSTVAGKRVVQVNTGDD 248

DB 80 QSPVAVSDELISGPAALISGGGESRWCCSCPELTFTSTVAGKRVVQVNTGDD 139

QY 249 TGAHPDLQMPGGVGIENGCSQWGA-PNDMGSRVGGISASDSSLPALQAGC 308

DB 140 --HFDLIPGGSGVIFNGCSSQFGGLP---GAQVGGISSRDQDSFPAPLKEGC 196

QY 309 WFKNADNPSTYKEVTCPEKITAKTGCSR 337

DB 197 WFKNADNPSTYKEVTCPEKITAKTGCSR 225

## RESULT 6

US-09-229-911A-2

Sequence 2, Application US/09229911A

Patent No. 6387690

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

APPLICANT: Andersen, Lene N.

APPLICANT: Lassen, Soren F.

APPLICANT: Kaupplinen, Markus S.

APPLICANT: Lange, Lene

APPLICANT: Nielsen, Ruby I.

APPLICANT: Ihara, Michiko

APPLICANT: Takagi, Shinobu

TITLE OF INVENTION: No. 6387690e1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSEE: No. 63876900 No. 6387690disk of No. 6387690ch America, Inc.

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/229,911A

FILING DATE: 13-Jan-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 225 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-229-911A-2

Query Match 41.1%; Score 755.5; DB 4; Length 225;  
Best Local Similarity 61.2%; Pred. No. 6.3e-53;  
Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;

QY 130 SGNVTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79  
DB 21 SGIGQTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79  
QY 189 NOPAVNDNLAYGFAAAIISGSESRCSCFELTFTSTSVAGKRVVQVNTGDLGSS 248  
DB 80 QSPVAVDELSTYGAAAYKLASSSESCWCCACVLTFTSGVAGKRMIVQATNTGDLGDN 139  
QY 249 TGAHFDLQMPGGVGIINCGSSQWGAENDGWSRYYGSISSASDCSSLPALQAGCKMRN 308  
DB 140 ---HFDAIPGGVGIINACTDQYGAENDGWSRYYGSISSASDCSSLPALQAGCKMRN 196  
QY 309 WFKNADNPSTMYKEVTPCKETITAKTGCSR 337  
DB 197 WFOVADNPSTMYKEVTPCKETITAKTGCSR 225

RESULT 7  
US-08-651-136C-4  
Sequence 4, Application US/08651136C  
Patent No. 6001639  
GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
APPLICANT: Andersen, Lene N.  
APPLICANT: Lassen, Soren F.  
APPLICANT: Kauppinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Rudy I.  
APPLICANT: Ihara, Michiko  
TITLE OF INVENTION: No. 6001639e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESS: No. 6001639e No. 6001639e1 of No. 6001639e America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651.136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 297 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-651-136C-4

Query Match 41.1%; Score 755.5; DB 3; Length 297;  
Best Local Similarity 61.2%; Pred. No. 8.9e-53;  
Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;

QY 130 SGNVTRRYWDCKKSCAMPKAVSSPVKSCNDGVATLSDSNAGCN-GGNSYMCND 188  
DB 21 SGIGQTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79

DB 21 SGIGQTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79  
QY 189 NOPAVNDNLAYGFAAAIISGSESRCSCFELTFTSTSVAGKRVVQVNTGDLGSS 248  
DB 80 QSPVAVDELSTYGAAAYKLASSSESCWCCACVLTFTSGVAGKRMIVQATNTGDLGDN 139  
QY 249 TGAHFDLQMPGGVGIINCGSSQWGAENDGWSRYYGSISSASDCSSLPALQAGCKMRN 308  
DB 140 ---HFDAIPGGVGIINACTDQYGAENDGWSRYYGSISSASDCSSLPALQAGCKMRN 196  
QY 309 WFKNADNPSTMYKEVTPCKETITAKTGCSR 337  
DB 197 WFOVADNPSTMYKEVTPCKETITAKTGCSR 225

RESULT 8  
US-09-229-911A-4  
Sequence 4, Application US/09229911A  
Patent No. 6387690  
GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
APPLICANT: Andersen, Lene N.  
APPLICANT: Lassen, Soren F.  
APPLICANT: Kauppinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Rudy I.  
APPLICANT: Ihara, Michiko  
TITLE OF INVENTION: No. 6387690e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESS: No. 6387690e No. 6387690e1 of No. 6387690e America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229.911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651.136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 297 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-229-911A-4

Query Match 41.1%; Score 755.5; DB 4; Length 297;  
Best Local Similarity 61.2%; Pred. No. 8.9e-53;  
Matches 128; Conservative 35; Mismatches 41; Indels 5; Gaps 3;

QY 130 SGNVTRRYWDCKKSCAMPKAVSSPVKSCNDGVATLSDSNAGCN-GGNSYMCND 188  
DB 21 SGIGQTRRYWDCKKSCAMPK-GPSSPVQACDKNDPLNDGSTRSGCDAGSAYMCSS 79



QY 309 WFKNADNPSMTYKVTCPKAITAKTGCGR 337  
Db 197 WFOADNPSYTFQEVACPSRLTSKSGCR 225

## RESULT 11

US-08-651-136C-10  
Sequence 10, Application US/08651136C  
Patent No. 6001639  
GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
APPLICANT: Andersen, Lene N.  
APPLICANT: Lassen, Soren F.  
APPLICANT: Kauppinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6001639el Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136C  
FILING DATE: 21-MAY-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 349 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-651-136C-10

Query Match 39.3%; Score 722; DB 3; Length 349;

Best Local Similarity 59.2%; Pred. No. 5e-50;  
Matches 125; Conservative 36; Mismatches 40; Indels 10; Gaps 4;

QY 129 ASGNVTVTRYWDCCKASGMPGKANVSPYKCNKDGVTALSDNAQSGCNGNSYMCND 188  
Db 21 ASGKHTRTRYWDCCKTSKAMEGKASVSEPLITCNKOD-NPIVDANARSCDDGGAGACTN 79  
QY 189 NOPAVNDNLAVGFAAALISGGESRWCCSCPELFTSTSVAGKKWVVOVTITGGDLGSS 248  
Db 80 NSPVAVSEDLAVGFAAALISGGESRWCCACVAILTISGVPVAGKKWVVOVTITGGDLGSS 139  
QY 249 TGAHFDLQMPGGGVIIFNGCSSQMG--APNDGWSRYGIISSASDCSSLPALQAGCKKR 306  
Db 140 ---HFDLMTFGGGLGIFDGSAGFGQLP-----GERYGVSSRSQCDGMBELLKDCGQWR 192  
QY 307 FNFNKNADNPSMTYKVTCPKAITAKTGCGR 337  
Db 193 FDFWFKNSDNDPIEFQVQCPKELIIVAGCVR 223

RESULT 12

US-09-229-911A-10  
Sequence 10, Application US/09229911A  
Patent No. 6387690

## GENERAL INFORMATION:

APPLICANT: Schuelein, Martin  
APPLICANT: Andersen, Lene N.  
APPLICANT: Lassen, Soren F.  
APPLICANT: Kauppinen, Markus S.  
APPLICANT: Lange, Lene  
APPLICANT: Nielsen, Ruby I.  
APPLICANT: Ihara, Michiko  
APPLICANT: Takagi, Shinobu  
TITLE OF INVENTION: No. 6387690el Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 63876900 No. 6387690disk of No. 6387690th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229,911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 349 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-09-229-911A-10

Query Match 39.3%; Score 722; DB 4; Length 349;

Best Local Similarity 59.2%; Pred. No. 5e-50;  
Matches 125; Conservative 36; Mismatches 40; Indels 10; Gaps 4;

QY 129 ASGNVTVTRYWDCCKASGMPGKANVSPYKCNKDGVTALSDNAQSGCNGNSYMCND 188  
Db 21 ASGKHTRTRYWDCCKTSKAMEGKASVSEPLITCNKOD-NPIVDANARSCDDGGAGACTN 79  
QY 189 NOPAVNDNLAVGFAAALISGGESRWCCSCPELFTSTSVAGKKWVVOVTITGGDLGSS 248  
Db 80 NSPVAVSEDLAVGFAAALISGGESRWCCACVAILTISGVPVAGKKWVVOVTITGGDLGSS 139  
QY 249 TGAHFDLQMPGGGVIIFNGCSSQMG--APNDGWSRYGIISSASDCSSLPALQAGCKKR 306  
Db 140 ---HFDLMTFGGGLGIFDGSAGFGQLP-----GERYGVSSRSQCDGMBELLKDCGQWR 192  
QY 307 FNFNKNADNPSMTYKVTCPKAITAKTGCGR 337  
Db 193 FDFWFKNSDNDPIEFQVQCPKELIIVAGCVR 223

## RESULT 13

US-08-651-136C-22  
Sequence 22, Application US/08651136C





